

2/20/98
A.M.

PERMIT

SEWAGE DISPOSAL SYSTEM

DEPARTMENT OF HEALTH AND MENTAL HYGIENE

P 59820

A 49482-T

DISTRICT 4th

DATE 2-11-98

DATE SYSTEM APPROVED 2/20/98

INSPECTOR KM

HOWARD COUNTY HEALTH DEPARTMENT

BUREAU OF ENVIRONMENTAL HEALTH

~~XXXXXXXXXX~~

410-313-2640

04-357159

INDEXED

J. Joseph Gartland

IS PERMITTED TO INSTALL ALTER

ADDRESS 1835 West Old Liberty Road, Westminster, Maryland

PHONE 410-875-2400

SUBDIVISION Warfield's Grant, Sec. II LOT 23

ROAD 16024 Fields End Court

PROPERTY OWNER Jim Mohl

ADDRESS _____

SEPTIC TANK CAPACITY 1250 GALLONS

NUMBER OF BEDROOMS 4

180 SQUARE FEET PER BEDROOM

LINEAR FEET OF TRENCH REQUIRED 240

TRENCHES - Trench to be 3 feet wide. Inlet 5 feet below original grade. Bottom maximum depth 7 feet below original grade. Effective area begins at 5 feet below original grade. 2 feet of stone below distribution pipe.

LOCATION - Place distribution box 200 feet up the right (322.52) lot line and 115 feet off that same lot line as seen when facing the lot from Fields End Court. Run trenches on contour toward the right lot line.

NOTES - No trench to exceed 100 feet in length. Provide 6" - 8" diameter cleanout and cap to grade or above on septic tank.

OK 1-7-98

PLANS APPROVED BY Amy McMillen/Mark Rifkin

REVISED DATE 12/29/97

COVER NO WORK UNTIL INSPECTED AND APPROVED

NEITHER THE HOWARD COUNTY COUNCIL NOR THE HEALTH DEPARTMENT IS RESPONSIBLE FOR THE SUCCESSFUL OPERATION OF ANY SYSTEM

NOTE: CLEANOUT REQUIRED EVERY 70 FEET OF SEWER LINE AND/OR AT 90° SWEEPS IN LINES FROM HOUSE TO DRAIN FIELDS, 90° ELBOWS NOT ACCEPTABLE.

NOTE: ALL PARTS OF SEPTIC SYSTEMS (I.E. TANK, DISTRIBUTION BOX TRENCHES) TO BE 100 FEET FROM WELL (UNLESS OTHERWISE SPECIFICALLY AUTHORIZED)

NOTE: IF DEEP TRENCH(ES) ARE USED CALL FOR INSPECTION BEFORE AND AFTER PLACING GRAVEL IN TRENCH(ES)

NOTE: NO DRY WELL SHALL EXCEED 15 FOOT IN DIAMETER NO ABSORPTION TRENCH TO EXCEED 100 FEET IN LENGTH

NOTE: ALL PIPE FROM HOUSE TO SEPTIC TANK MUST BE CAST IRON OR SCHEDULE 35/40 PVC OR ABS

PERMIT VOID AFTER TWO YEARS

NOTE: INSTALL STAND PIPE ON SEPTIC TANK AND DRY WELL STAND PIPES MUST BE 6 INCHES IN DIAMETER CAST IRON, CONCRETE OR TERRA COTTA OR PVA OR ABS ACCEPTED. IF TOP OF SEPTIC TANK IS DEEPER THAN 3 FEET, MANHOLE TO GRADE REQUIRED.

NOTE: DISTRIBUTION BOXES MUST HAVE BAFFLES

BLOG. PERMIT SIGNED

AND RETURNED 3-17-99

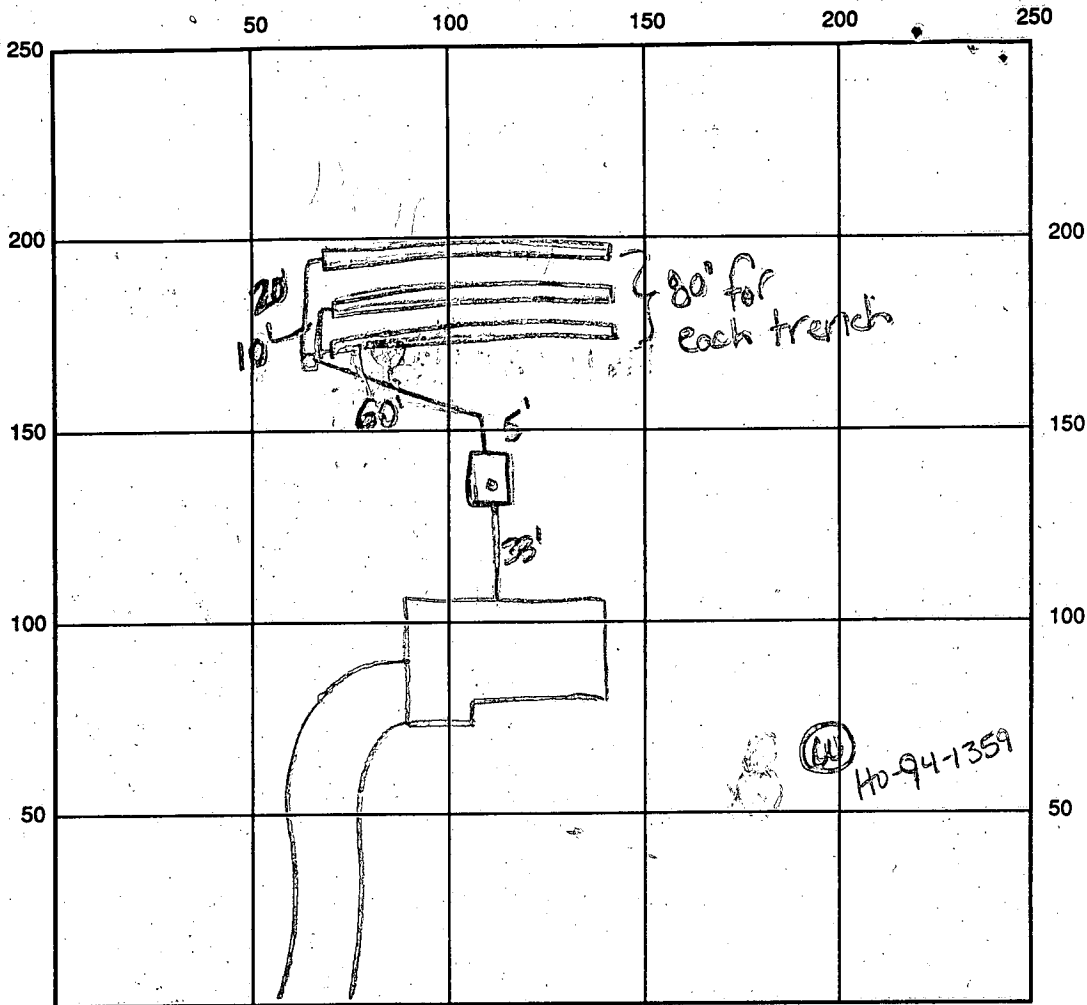
Serial # B00116689

prda

1/16/2003 B00139992 REC RM IN BASEMENT

***INSTALLER IS RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT**

49482-T



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

SEPTIC TANK LEVEL OK, 1250 gallons CLEANOUTS 1 on tank

DISTRIBUTION BOX LEVEL OK

DRAIN FIELD/TITLE DEPTH 7.0 FT. TRENCH WIDTH 3.0 FT. INLET DEPTH 5.0 FT.

EFFECTIVE GRAVEL DEPTH 2.0 FT. TOTAL LENGTH 80x3 FT. → 240

NUMBER OF TRENCHES 3 ONE SIDEWALL/BOTTOM AREA 720 SQ. FT.

DRYWALL INSIDE DIAMETER — FT. EFFECTIVE DEPTH BELOW INLET — FT.

ABSORBENT AREA — SQ. FT.

REMARKS: 2/20/98 WPI-OK to cover P.A. 3.5' below grade, casing 1.5 above grade, has 2" piece cap, line stewed out of house

2/20/98 ok to cover all work, has house connection (KM)

DATE SYSTEM APPROVED 2/20/98

INSPECTOR Kimberly Maisto

APPLICATION

PERCOLATION TESTING

A 49482T
P _____

HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
3525-H ELLICOTT MILLS DRIVE/ELLICOTT CITY, MARYLAND 21043
TELEPHONE: 313-2640

DISTRICT _____
DATE _____

TO: THE COUNTY HEALTH OFFICER
ELLICOTT CITY, MARYLAND

I HEREBY APPLY FOR THE NECESSARY TEST PRIOR TO APPLICATION FOR PERMIT TO CONSTRUCT (OR RECONSTRUCT) A SEWAGE DISPOSAL SYSTEM.

PROPERTY OWNER WARFIELDS GRANT LTD. PARTNERSHIP ^{Jim Mohl} ~~to Ronald B. Carter~~

ADDRESS P.O. Box 122 ELLICOTT CITY MD. 21043 PHONE _____

AGENT OR PROSPECTIVE BUYER FISHER COLLINS + CARTER ATTN: Zach Fisch

ADDRESS 9171 BALTIMORE NATIONAL PIKE ELLICOTT CITY MD. 21042 PHONE 461-2855

PROPERTY LOCATION:

SUBDIVISION WARFIELDS GRANT SEC. 2 LOT NO. 23

ROAD AND DESCRIPTION Daisy Road (16024 Field's End Court)

TAX MAP 13 PARCEL # 128

SIZE OF LOT 1 AC. ± TYPE BLDG. B.F.D. - 4 Bdrm.
(SINGLE FAMILY DWELLING OR COMMERCIAL)

**BLDG. PERMIT SIGNED
AND RETURNED 12-16-97
Serial # 07109257**

THE SYSTEM INSTALLED UNDER THIS APPLICATION IS ACCEPTABLE ONLY UNTIL PUBLIC FACILITIES BECOME AVAILABLE. I FULLY UNDERSTAND THE FEE CONNECTED WITH THE FILING OF THIS PERC TEST APPLICATION IS NON-REFUNDABLE UNDER ANY CIRCUMSTANCES. I ALSO AGREE TO COMPLY WITH ALL M.O.S.H.A. REQUIREMENTS IN TESTING THIS LOT. Zacharia Y. Fisch (agent)
(SIGNATURE OF APPLICANT)

APPROVED BY _____ FOR _____ DATE _____

DISAPPROVED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____

REASONS FOR REJECTION OR HOLDING _____

PERCOLATION TEST PLAT/PRELIMINARY PLAT - TITLE OR I.D. # _____ DATE _____

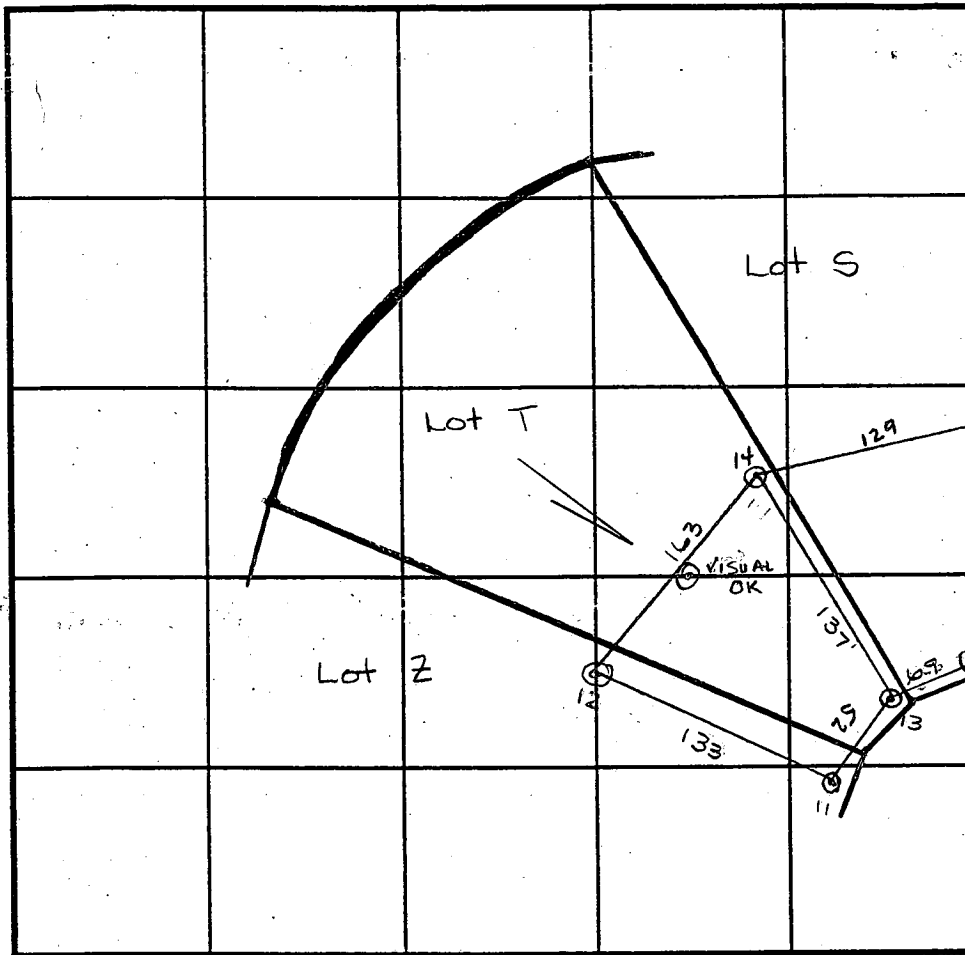
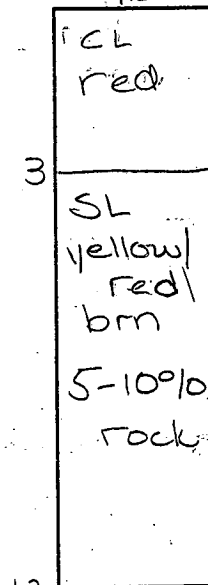
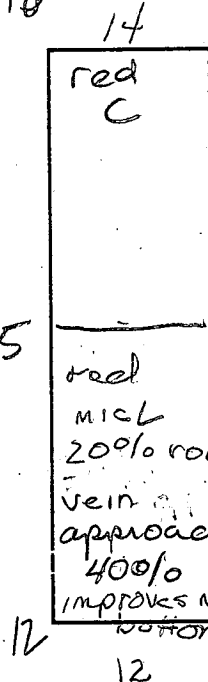
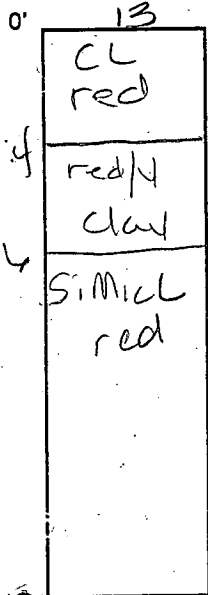
SITE DEVELOPMENT PLAN/FINAL PLAT - TITLE OR I.D. # _____ DATE _____

THIS IS NOT A PERMIT

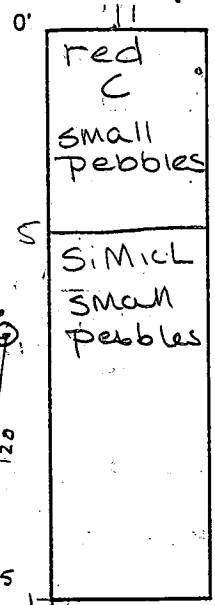
A49482T

COUNTY #

SOIL PROFILE



SOIL PROFILE



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
8/18/93	13	V12 6	11:34	11:36	11:36	11:41	5
	14	V12 6	12:56 ¹⁵	12:58 ⁰⁹	12:58 ⁰⁹	1:01 ³⁰	3 1/2
		V12 8	12:55 ⁵⁹	12:59 ³²	12:59 ³²	1:05 ³⁰	6
	12	V12 9	12:05	12:07	12:07	12:10	3
	11	V12 6'	11:31	11:32	11:32	11:34	2
	12	V12 6	12:05	12:06	12:05	12:07	
		repair	12:07	12:08	12:08	12:10	2

REMARKS Tests 15 & 16 can be found in A49482S
 TYPE OF SOIL 3/4 Glenelg, 1/2 Chester
 TESTED BY Amy McMullen (Cweller) ALSO PRESENT Cissle/Andres
 TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME 3 TRENCH WIDTH 3
 INLET DEPTH 5 MAXIMUM BOTTOM DEPTH 7 SQ. FT./BEDROOM 180

Approved Septic System Plan
Howard County Health Department

000109257

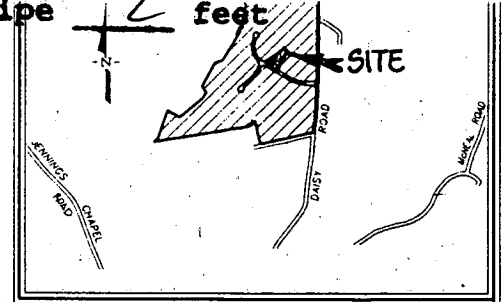
Mark E. Telkin 12/29/97
Signature **Date**

Total linear feet of trench
 required 240 feet

Width of trench(es) 3 feet

Depth of trench(es) 7 feet

Depth of stone required below
distribution pipe 2 feet

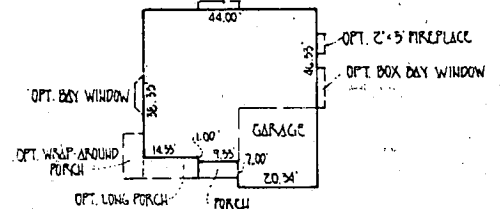


VICINITY MAP
 SCALE: 1"=200'

GENERAL NOTES

1. SEPTIC EASEMENT SUBJECT TO HOWARD COUNTY HEALTH DEPARTMENT No.
2. PROPOSED 1500 GALLON SEPTIC TANK
3. A. FIRST FLOOR ELEVATION: 547.50
4. B. BASEMENT ELEVATION: 547.50
5. C. INVERT OF SEPTIC SYSTEM AT HOUSE: 544.40
6. D. INVERT IN AT SEPTIC TANK: 543.70
7. E. INVERT OUT AT SEPTIC TANK: 543.60
8. F. PROPOSED GRADE OVER SEPTIC TANK: 548.00
9. G. INVERT AT DISTRIBUTION BOX: 541.00
10. H. EXISTING GROUND OVER DISTRIBUTION BOX: 546.00
11. LENGTH OF TRENCH TO BE DETERMINED AT TIME OF SEPTIC PERMIT ISSUANCE.
12. CONTRACTOR / BUILDER TO VERIFY ELEVATIONS IN FIELD BEFORE BEGINNING ANY CONSTRUCTION.
13. TOPOGRAPHY SHOWN ON THIS PLAN IS BASED ON ROAD PLAN F 95-34.

MANHOLE REQ'D IF S.T.
 MORE THAN 3' BELOW
 FIN. GRADE OPT. BOX DAY WINDOW

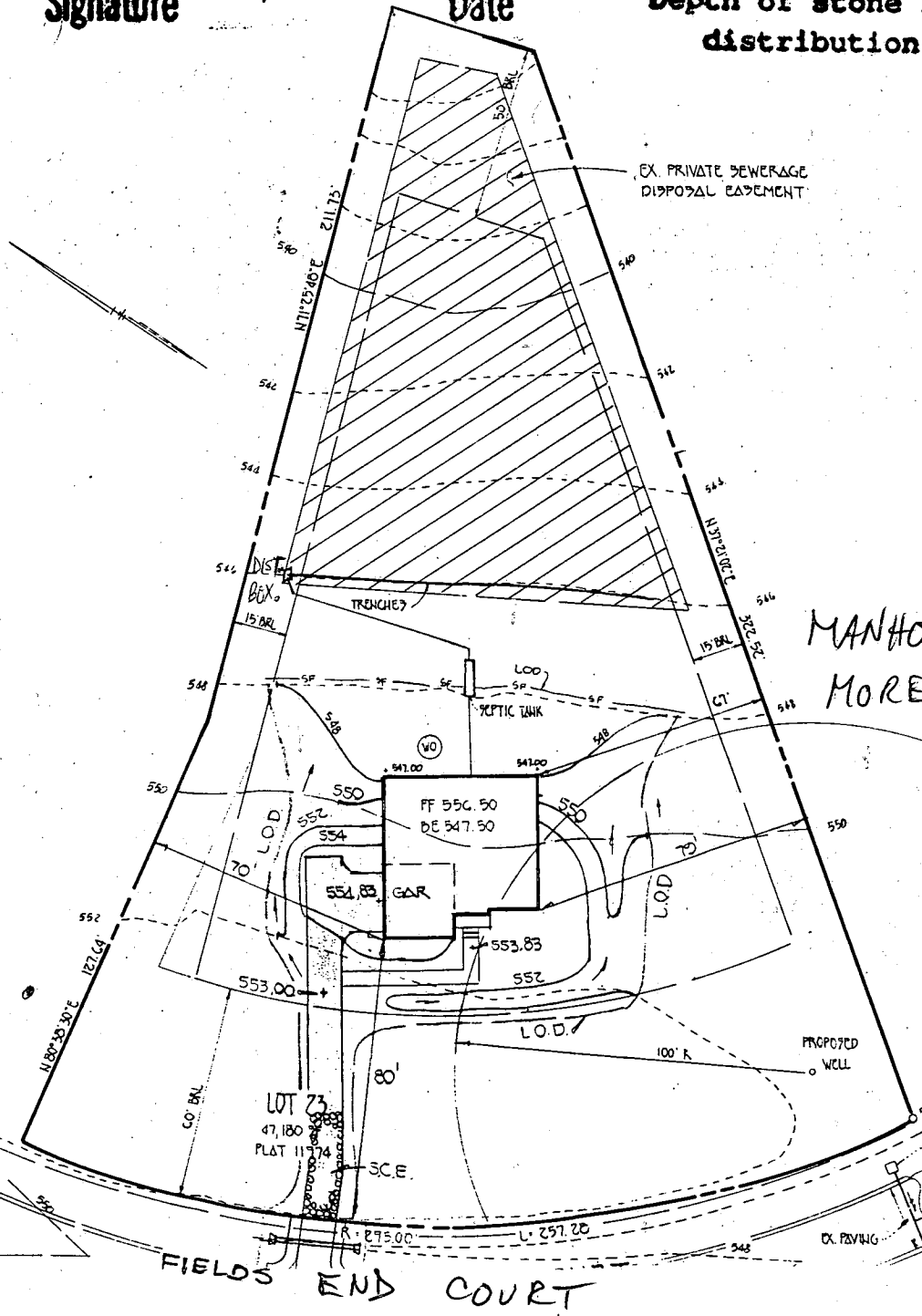


PROPOSED RESIDENCE

PLAN BY
 FCC

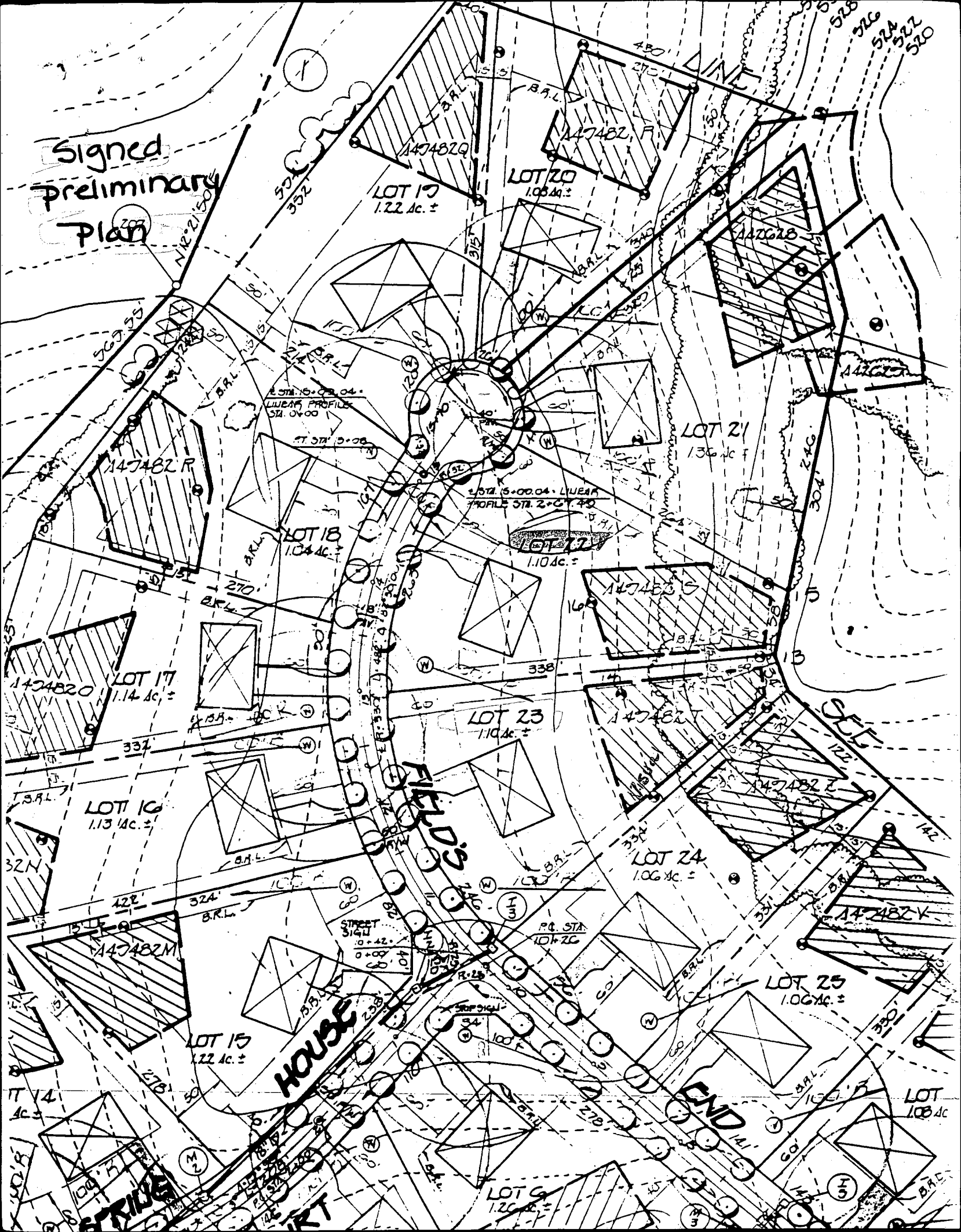
12/16/97

1:50



FIELDS END COURT

Signed
Preliminary
Plan



C1 09456 SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND WELL COMPLETION REPORT FILL IN THIS FORM COMPLETELY PLEASE PRINT OR TYPE

THIS REPORT MUST BE SUBMITTED WITHIN 45 DAYS AFTER WELL IS COMPLETED. COUNTY NUMBER A 49482I

(THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)

ST/CO USE ONLY DATE RECEIVED MM/DD/YY 1/6/98

DATE WELL COMPLETED MM/DD/YY 12/30/97 Depth of Well 22 185 26 (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL" HO-94-1359

OWNER Selfridge Builders last name first name STREET OR RFD Fields End Ct TOWN Woodbine SUBDIVISION Waufield's Grant SECTION LOT 20

WELL LOG Not required for driven wells

STATE THE KIND OF FORMATIONS PENETRATED, THEIR COLOR, DEPTH, THICKNESS AND IF WATER BEARING

Table with columns: DESCRIPTION (Use additional sheets if needed), FEET (FROM, TO), check if water bearing. Rows include Top Soil, Brown Shale, Brown Slate, Blue Slate, Brown Slate, Blue Slate.

GROUTING RECORD

WELL HAS BEEN GROUTED (Circle Appropriate Box) YES (Y) NO (N) TYPE OF GROUTING MATERIAL (Circle one) CEMENT (CM) BENTONITE CLAY (BC) NO. OF BAGS 20 NO. OF POUNDS 2000 GALLONS OF WATER 120 DEPTH OF GROUT SEAL (to nearest foot) from 8 to 30+

CASING RECORD

MAIN CASING TYPE PL Nominal diameter top (main) casing (nearest inch)! 6 Total depth of main casing (nearest foot) 80

OTHER CASING (if used) diameter inch depth (feet) from to

SCREEN RECORD screen type or open hole insert appropriate code below (ST) STEEL (BR) BRASS (HO) OPEN (PL) PLASTIC (OT) OTHER

DEPTH (nearest ft.) table with rows 1-10 and columns 1-5. Values include 77, 185.

SLOT SIZE 1 2 3 DIAMETER OF SCREEN (NEAREST INCH) 56 60 from to

GRAVEL PACK IF WELL DRILLED WAS FLOWING WELL INSERT F IN BOX 68

MDE USE ONLY (NOT TO BE FILLED IN BY DRILLER) T (E.R.O.) W Q

TELESCOPE CASING LOG INDICATOR OTHER DATA

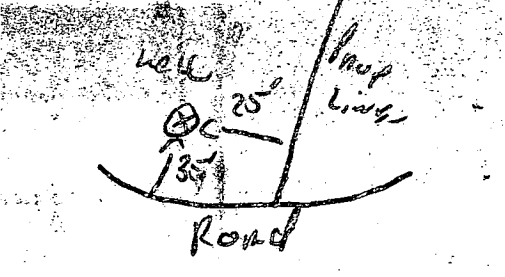
PUMPING TEST

HOURS PUMPED (nearest hour) 3 PUMPING RATE (gal per min.) 12 METHOD USED TO MEASURE PUMPING RATE Bucket WATER LEVEL (distance from land surface) BEFORE PUMPING 55 ft WHEN PUMPING 62 ft TYPE OF PUMP USED (for test) (A) air (P) piston (T) turbine (C) centrifugal (R) rotary (O) other (describe below) (J) jet (S) submersible

PUMP INSTALLED

DRILLER WILL INSTALL PUMP (CIRCLE) (YES or NO) YES (NO) IF DRILLER INSTALLS PUMP THIS SECTION MUST BE COMPLETED FOR ALL WELLS TYPE OF PUMP INSTALLED PLACE (A,C,J,P,R,S,T,O) IN BOX 29 CAPACITY: GALLONS PER MINUTE (to nearest gallon) 31 35 PUMP HORSE POWER 37 41 PUMP COLUMN LENGTH (nearest ft.) 43 47 CASING HEIGHT (circle appropriate box and enter casing height) (+) above (3) LAND SURFACE (-) below (3) (nearest foot)

LOCATION OF WELL ON LOT SHOW PERMANENT STRUCTURE SUCH AS BUILDING, SEPTIC TANKS, AND /OR LANDMARKS AND INDICATE NOT LESS THAN TWO DISTANCES (MEASUREMENTS TO WELL)



NUMBER OF UNSUCCESSFUL WELLS: 0

WELL HYDROFRACTURED YES (Y) NO (N)

CIRCLE APPROPRIATE LETTER A A WELL WAS ABANDONED AND SEALED WHEN THIS WELL WAS COMPLETED E ELECTRIC LOG OBTAINED P TEST WELL CONVERTED TO PRODUCTION WELL

I HEREBY CERTIFY THAT THIS WELL HAS BEEN CONSTRUCTED IN ACCORDANCE WITH COMAR 26.04.04 "WELL CONSTRUCTION" AND IN CONFORMANCE WITH ALL CONDITIONS STATED IN THE ABOVE CAPTIONED PERMIT, AND THAT THE INFORMATION PRESENTED HEREIN IS ACCURATE AND COMPLETE TO THE BEST OF MY KNOWLEDGE.

DRILLERS LIC. NO. M SD 116 DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION) LIC. NO. 1 M SD 117

SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee)

B 1 **8795** SEQUENCE NO. (MDE USE ONLY)
 2 3 4 5 6
 (THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)

STATE OF MARYLAND
 PERMIT TO DRILL WELL
 please print or type

STATE PERMIT NUMBER
H10-94-1359
 70 fill in this form completely 79

Date Received (APA) **12/11/97**
 OWNER INFORMATION
SELFRIDGE BUILDINGS
 15 Last Name 34 Owner First Name
14045 GARFIELD DR.
 36 Street or RFD 55
ALEXANDRIA **MD 21238**
 57 Town 70 State 72 Zip 76

B 3 LOCATION OF WELL
HOWARD
 8 COUNTY 21
WARFIELD'S GRANT
 23 SUBDIVISION 42
 SECTION **24** LOT **23**
 44 46 48 50
DAISY
 52 NEAREST TOWN 71
 MILES FROM TOWN (enter 0 if in town) **1** MI
 73 76 77 78

DRILLER INFORMATION CIRCLE: **MSD** MGD/MWD
Ralph MAYNE
 Driller's Name 77 License No. **0116**
Ralph MAYNE Well Drilling
 Firm Name
9120 Brown Church Rd. Mt. Airy
 Address
Ralph Mayne Dec 11 1997
 Signature Date

B 4 DIRECTION OF WELL FROM TOWN (CIRCLE BOX)

 NEAR WHAT ROAD **FIELDS END CT**
 11 30
 ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)
 NORTH WEST EAST SOUTH
 34 **35** 37
 DISTANCE FROM ROAD
 ENTER FT OR MI **44**
 38 39
 TAX MAP: _____ BLK: _____ PARCEL _____

B 2 WELL INFORMATION
 APPROX. PUMPING RATE (GAL. PER MIN.) **5**
 1 2 3 4 5 6 7 8 9 10 11 12
 AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) **500**
 13 14 15 16 17 18 19 20

USE FOR WATER (CIRCLE APPROPRIATE BOX)
 HOME (SINGLE OR DOUBLE HOUSEHOLD UNIT ONLY)
 FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION)
 INDUSTRIAL, COMMERCIAL, STATE AND FEDERAL GOV. OTHER (REQUIRES APPROPRIATION PERMIT)
 PUBLIC OR PRIVATE WATER COMPANY (REQUIRES APPROPRIATION PERMIT AND STATE HEALTH DEPARTMENT APPROVAL)
 TEST, OBSERVATION, MONITORING (MAY REQUIRE APPROPRIATION PERMIT)

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL
Howard COUNTY NAME 49482 T COUNTY NO.
 STATE SIGNATURE _____ INSERT S
 DATE ISSUED **12/17/97** **DOUGLAS** 12/16/98
 43 48 CO SIGNATURE EXP DATE
 NORTH GRID **529000** EAST GRID **0779000**
 50 55 57 63

APPROXIMATE DEPTH OF WELL **150** FEET
 24 28
 APPROXIMATE DIAMETER OF WELL **6"** NEAREST INCH

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X
 SOURCES OF DRILLING WATER
 1. well
 2.
 3.
 WRITE THE BOX NUMBER FROM THE MAP HERE

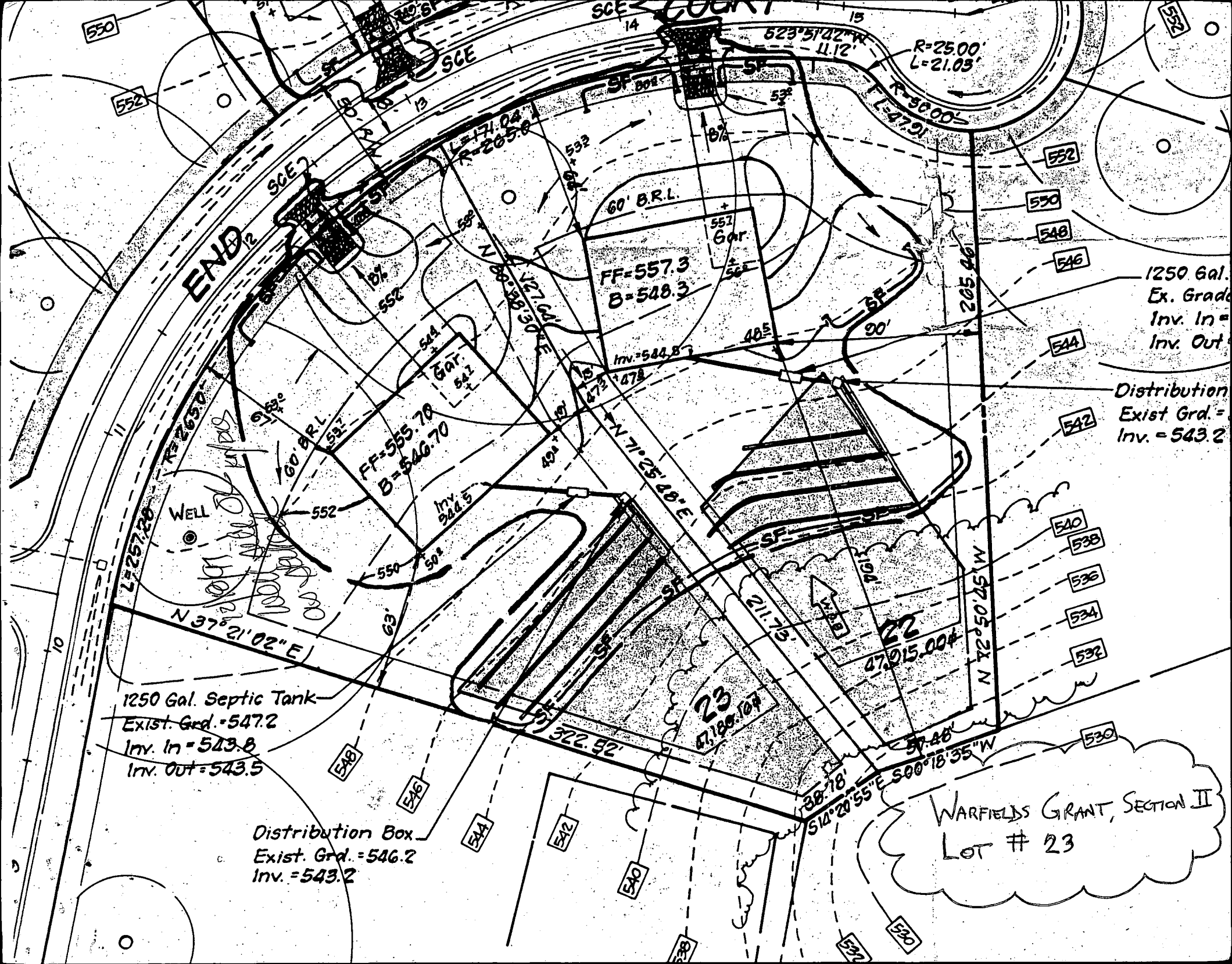
 DRAW A SKETCH BELOW SHOWING LOCATION OF WELL IN RELATION TO NEARBY TOWNS AND ROADS AND GIVE DISTANCE FROM WELL TO NEAREST ROAD JUNCTION
12/30/97
6 mi NO INSP
PM

METHOD OF DRILLING (circle one)
 BORED (or Augered) JETTED Jetted & DRIVEN
 AIR-ROTARY AIR-PERCussion ROTARY (Hydraulic Rotary)
 CABLE REVERSE-ROTARY DRIVE-POINT
 other _____

REPLACEMENT OR DEEPEMED WELLS (CIRCLE APPROPRIATE BOX)
 THIS WELL WILL NOT REPLACE AN EXISTING WELL.
 THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED
 THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY - CONTACT LOCAL APPROVING AUTHORITY FOR POLICY ON STANDBY WELLS
 THIS WELL WILL DEEPEN AN EXISTING WELL
 PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE) 41 _____ 52

Sketch showing location of well in relation to nearby towns and roads and give distance from well to nearest road junction.

Not to be filled in by driller (MDE OR COUNTY USE ONLY)
 APPROX. PERMIT NUMBER _____ GAP _____
 54 63
 FORCE **DIS** WRITE INITIALS IN BOX PERMIT No. **H10-94-1359**
 67 68 70 71 72 73 74 75 76 77 78 79



END

FF=557.3
B=548.3

FF=555.70
B=546.70

1250 Gal. Septic Tank
Exist. Grd. = 547.2
Inv. In = 543.8
Inv. Out = 543.5

Distribution Box
Exist. Grd. = 546.2
Inv. = 543.2

1250 Gal.
Ex. Grd.
Inv. In =
Inv. Out =

Distribution
Exist. Grd. =
Inv. = 543.2

WARFIELDS GRANT, SECTION II
LOT # 23

550

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552

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33

WELL

Handwritten notes:
1250 Gal. Septic Tank
1250 Gal. Septic Tank

SCE

SCE

SCE

SF

SF

SF

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1257.20

2637

171.04

205.0

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N 37° 21' 02" E

N 71° 25' 48" E

S 14° 20' 55" E 500' 18' 35" W

N 12° 50' 25" W

211.73

47,915.004

23
71,887.04

322.92

38.78

57.46

205.46

48.5

90'

60'

60'

60'

60'

60'

60'

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60'

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60'

Inv. = 544.83

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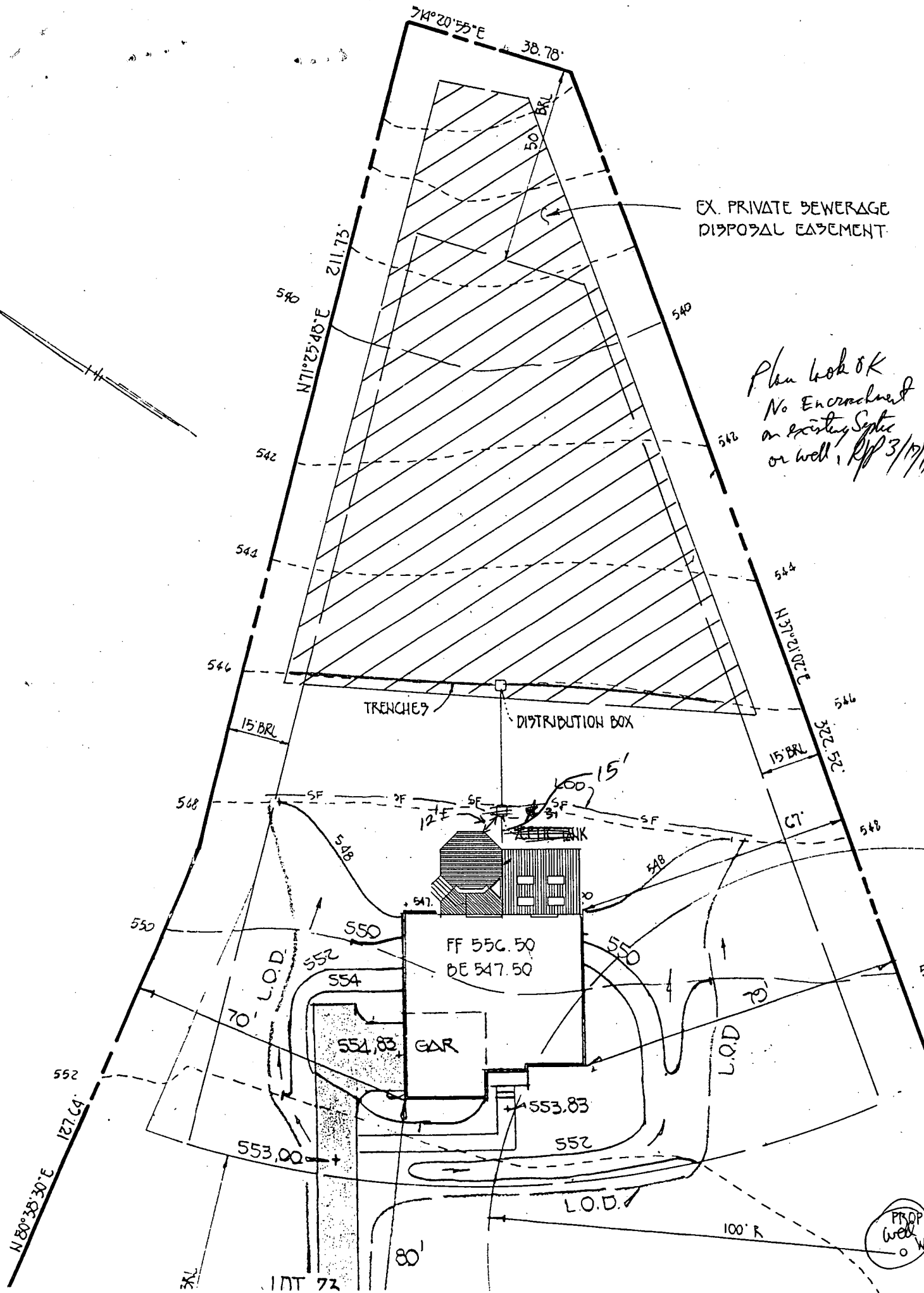
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ED
FT.)
14.
FT.)
E BY
AND

)
HIGHER,
G.

OR SOIL
COVERED.



EX. PRIVATE SEWERAGE DISPOSAL EASEMENT.

Plan look OK.
No Encroachment
on existing Septic
or well, R/P 3/17/99

PROP. Well

H
ULD

AS

T,
I)

F

INT 72

80'

100' R

